

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS: W. Kurt Dobson  
Dirk Ostermiller  
Sy Prestwich  
Scott Bevan

ASSIGNEE: Spectrum5, Inc.

SERIAL NUMBER: n/a

DATE FILED: n/a

TITLE: EQUALIZER WITH DECISION FEEDBACK FREQUENCY  
TRACKING AND BIT DECODING FOR SPREAD SPECTRUM  
COMMUNICATIONS

ATTORNEY DOCKET: 4502 P

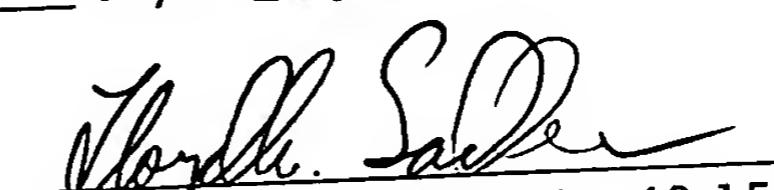
Mail Stop: PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner:

Applicant's attorneys performed a patent search with regard to the present invention. Applicant has identified all materials that they are aware of which may be either prior art to the invention or that may be relevant to the background of the invention. All such materials known to Applicant and Applicant's attorneys are identified on the PTO-1449 attached hereto. A copy of all such materials shall be submitted as soon as clean copies are available. Applicant believes his invention is patentable over these materials.

Respectfully submitted this 1<sup>st</sup> day of October 2003,

  
Lloyd W. Sadler, Reg. No. 40,154  
PARSONS BEHLE & LATIMER  
201 South Main Street, Suite 1800  
Salt Lake City, Utah 84111  
Telephone: (801) 532-1234  
Facsimile: (801) 536-6111

## **INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

ATTY DOCKET NO.  
4502

4502 P

SERIAL NO.

n/a

Dobson et al.

**FILING**

1 October 2003

## GROUP

n/a

## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,670,885	06/02/1987	Parl et al.	375	1	02/26/1985
	4,761,796	08/02/1988	Dunn et al.	375	1	01/24/1985
	5,168,508	12/01/1992	Iwasaki et al.	375	1	07/31/1991
	5,233,626	08/03/1993	Ames	375	1	05/11/1992
	5,239,556	08/24/1993	Ishigaki et al.	375	1	12/27/1991
	5,596,601	01/21/1997	Bar-David	375	207	08/30/1994
	5,623,511	04/22/1997	Bar David et al.	375	207	11/28/1994
	5,748,677	05/05/1998	Kumar	375	285	01/16/1996
	5,825,807	10/20/1998	Kumar	375	200	10/20/1998
	5,936,997	08/10/1999	Kanda	375	200	05/25/1995
	6,035,008	03/07/2000	Kim	375	345	10/06/1997

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

**EXAMINER**

**DATE CONSIDERED**

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. <b>4502 P</b>		SERIAL NO. <b>n/a</b>	
				<b>Dobson et al.</b>			
				<b>FILING</b> <b>1 October 2003</b>		<b>GROUP</b> <b>n/a</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		<b>6,047,019</b>	<b>04/04/2000</b>	<b>Ishii</b>	<b>375</b>	<b>206</b>	<b>09/19/1996</b>
		<b>6,128,329</b>	<b>10/03/2000</b>	<b>Takakusaki</b>	<b>375</b>	<b>140</b>	<b>12/15/1997</b>
		<b>6,141,393</b>	<b>10/31/2000</b>	<b>Thomas et al.</b>	<b>375</b>	<b>347</b>	<b>03/03/1999</b>
		<b>US 6,175,588 B1</b>	<b>01/16/2001</b>	<b>Visotsky et al.</b>	<b>375</b>	<b>148</b>	<b>12/30/1997</b>
		<b>US 6,215,762 B1</b>	<b>04/10/2001</b>	<b>Dent</b>	<b>370</b>	<b>208</b>	<b>07/22/1997</b>
		<b>US 6,310,907 B1</b>	<b>10/30/2001</b>	<b>Tsujimoto</b>	<b>375</b>	<b>141</b>	<b>12/04/1998</b>
		<b>US 6,473,447 B1</b>	<b>10/29/2002</b>	<b>Strich et al.</b>	<b>375</b>	<b>130</b>	<b>06/28/1995</b>
		<b>US 6,522,683 B1</b>	<b>02/18/2003</b>	<b>Smee et al.</b>	<b>375</b>	<b>144</b>	<b>08/10/2000</b>
		<b>US 6,556,617 B1</b>	<b>04/29/2003</b>	<b>Tsujimoto</b>	<b>375</b>	<b>141</b>	<b>09/21/1999</b>
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							